

SEMS Goal #6

Further integrate sustainability principles into the Fort Carson land use planning, Real Property Master Planning, and Military Construction, Army (MCA) programming processes



Planned sustainable reuse of land areas/facilities on Fort Carson

(top) The reuse of the WWII era Old Hospital Area for new privatized Army family housing.



(bottom) The Post Headquarters area that is proposed for a future "Community Support Campus", which will include a number of multi-story, multi-use buildings.

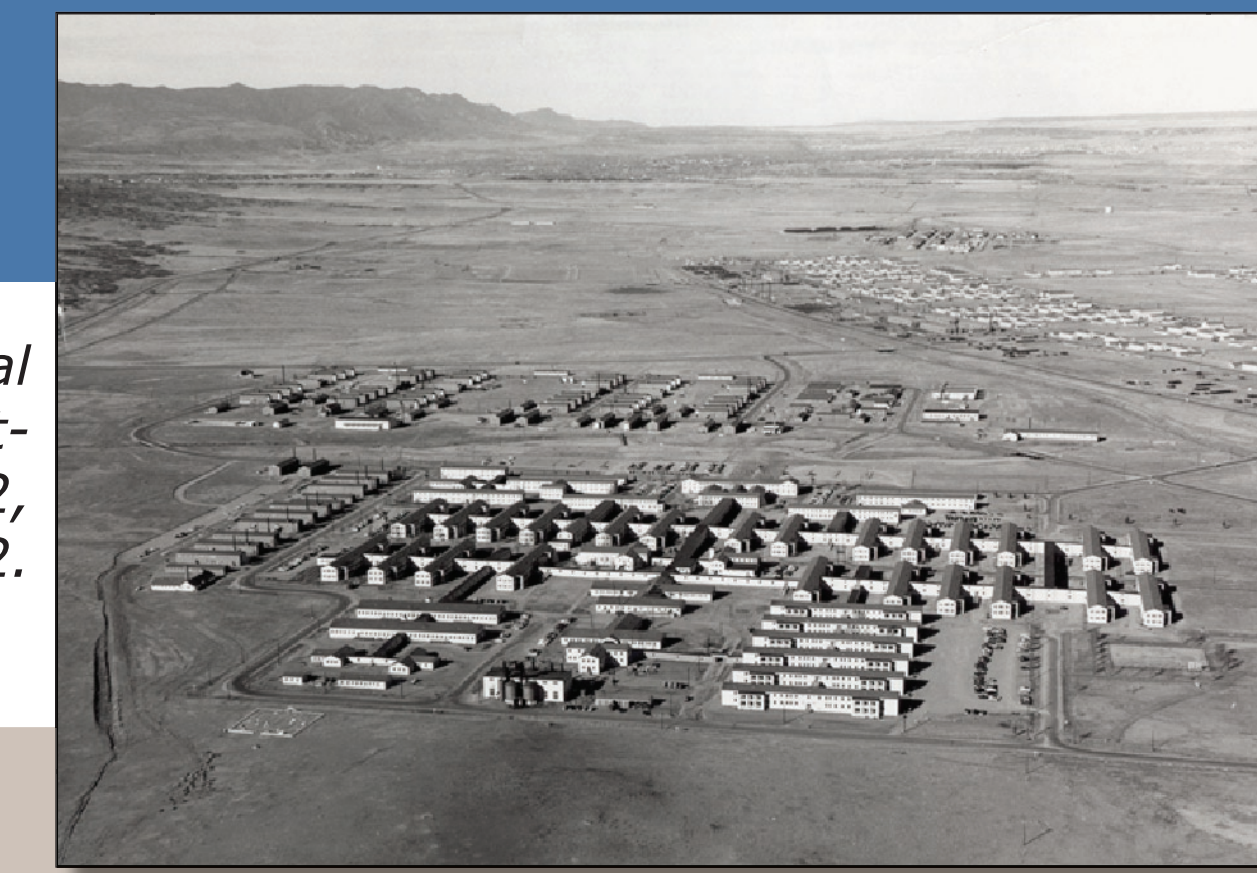
Questions:

What sources are available to research low-cost options to improve sustainability in planned new Army facilities?

What actions can be taken to promote sustainable growth?



Fort Carson aerial photos (top to bottom) 1942, 1960-64 and 2002.



Accomplishments:

- Omaha District, U.S. Army Corps of Engineers now designs to Gold SPiRiT level for all applicable military construction projects.
- A list of smart growth principles and criteria was finalized to guide master planning at Fort Carson.
- Testing the use of the geographic information system (GIS)-based Community Viz tool for development planning.

Future Initiatives:

- Provide training opportunities in sustainable development concepts and tools for Fort Carson decision makers and engineering team.
- Improve accessibility/visibility of land use, master planning, and military construction programming actions for the Fort Carson staff.
- Continue dialogue with Army Headquarters to obtain increased funding needed to design and construct highly-sustainable military construction projects.



The MEDDAC Barracks — Fort Carson's First Gold Major Construction Project.

The following are some of the features included in the design:

- Located next to Evans Army Community Hospital, thus allowing many occupants to walk to work.
- Building footprint oriented to maximize solar gain to reduce energy use.
- Reduced water usage through low-flow water fixtures, drip irrigation and by xeriscaping.
- Active solar panels for area lighting in the parking lot.

Fort Carson MEDDAC Barracks rendering courtesy of the U.S. Army Corps of Engineers.

For more information, call the SEMS Training/Sustainability Hotline at 526-4340 or log on to <http://sems.carson.army.mil>